

Docket No.  
TWI-12010

# Declaration For Patent Application

## English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**CRITICAL DIMENSION ANALYSIS WITH SIMULTANEOUS MULTIPLE ANGLE OF INCIDENCE MEASUREMENTS**

the specification of which

(check one)

☐ is attached hereto.

☒ was filed on March 27, 2001 as United States Application No. or PCT International

Application Number 09/818,703

and was amended on \_\_\_\_\_

(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

\_\_\_\_\_  
(Number)

\_\_\_\_\_  
(Country)

\_\_\_\_\_  
(Day/Month/Year Filed)

☐

\_\_\_\_\_  
(Number)

\_\_\_\_\_  
(Country)

\_\_\_\_\_  
(Day/Month/Year Filed)

☐

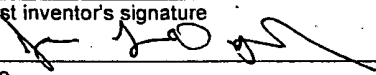
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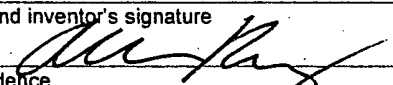
\_\_\_\_\_  
(Country)

\_\_\_\_\_  
(Day/Month/Year Filed)

☐



Full name of sole or first inventor <b>Jon Opsal</b>	
Sole or first inventor's signature 	Date <b>5/18/01</b>
Residence <b>2295 Norwood Road, Livermore, CA 94550</b>	
Citizenship <b>U.S.A.</b>	
Post Office Address <b>2295 Norwood Road, Livermore, CA 94550</b>	

Full name of second inventor, if any <b>Allan Rosencwaig</b>	
Second inventor's signature 	Date <b>5/18/01</b>
Residence <b>3304 Deer Hollow Drive, Danville, CA 94506</b>	
Citizenship <b>U.S.A.</b>	
Post Office Address <b>3304 Deer Hollow Drive, Danville, CA 94506</b>	

Full name of third inventor, if any	
Third inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

Full name of fourth inventor, if any	
Fourth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Jon Opsal et al.

Appln. No.: 09/818,703

Filed: March 27, 2001

For: CRITICAL DIMENSION ANALYSIS  
WITH SIMULTANEOUS MULTIPLE  
ANGLE OF INCIDENCE  
MEASUREMENTS

Group Art: 2877

Examiner:

**POWER OF ATTORNEY BY  
ASSIGNEE**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

THERMA-WAVE, INC., assignee of the entire right title and interest in the above-identified application by assignment dated May 18, 2001, which assignment was recorded in the Patent and Trademark Office on May 25, 2001, at Reel 11834, frame 325, hereby appoints the members of the firm of STALLMAN & POLLOCK LLP, a firm composed of:

Michael A. Stallman	29,444
Michael J. Pollock	29,098
Kathleen A. Frost	37,326
Brian J. Keating	39,520

as its attorneys with full power of substitution to prosecute this application and to transact all business in the Patent and Trademark Office in connection therewith.

Please direct all correspondence regarding this application to the following:

STALLMAN & POLLOCK LLP  
Attn: Michael A. Stallman  
121 Spear Street, Suite 290  
San Francisco, CA 94105

Telephone: (415) 512-1312  
Facsimile: (415) 512-1362

Dated: 8.21.01

THERMA-WAVE, INC.

By:

Name: Martin Schwartz

Title: Chief Executive Officer



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

AUGUST 09, 2001

PTAS

STALLMAN & POLLOCK LLP  
MICHAEL A. STALLMAN  
121 SPEAR STREET, SUITE 290  
SAN FRANCISCO, CA 94105



RECEIVED

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AUG 14 2001

STALLMAN & POLLOCK LLP

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/25/2001

REEL/FRAME: 011834/0325  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

OPSAL, JON

DOC DATE: 05/18/2001

ASSIGNOR:

ROSENCWAIG, ALLAN

DOC DATE: 05/18/2001

ASSIGNEE:

THERMA-WAVE, INC.  
1250 RELIANCE WAY  
FREMONT, CALIFORNIA 94539

SERIAL NUMBER: 09818703  
PATENT NUMBER:

FILING DATE: 03/27/2001  
ISSUE DATE:

SHAREILL COLES, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

5/25/01

RE

05-31-2001



ocket No.: TWI-12010

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Tab settings

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
**Jon Opsal and Allan Rosencwaig**

2. Name and address of receiving party(ies):

Name: **THERMA-WAVE, INC.**

Internal Address: **1250 Reliance Way**

Street Address: **1250 Reliance Way**

City: **Fremont**

State: **CA** ZIP: **94539**

Additional names(s) of conveying party(ies) ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: **May 18, 2001**

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

**09/818,703**

5/31/2001 LMUELLER 00000008 09818703

1 FC:581

40.00 DP

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **Michael A. Stallman**

Internal Address:

Street Address: **STALLMAN & POLLOCK LLP**

**121 Spear Street, Suite 290**

City: **San Francisco**

State: **CA**

ZIP: **94105**

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41):.....\$ **40.00**

☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

☐ Authorized to be charged to deposit account

8. Deposit account number:

**50-1703**

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

**Michael A. Stallman (Reg. No. 29,444)**

Name of Person Signing

Signature

May **22**, 2001

Date

Total number of pages including cover sheet, attachments, and document: **3**

**ASSIGNMENT**

WHEREAS, WE, Jon Opsal and Allan Rosencwaig, hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: CRITICAL DIMENSION ANALYSIS WITH SIMULTANEOUS MULTIPLE ANGLE OF INCIDENCE MEASUREMENTS

Application (Declaration/Oath) Execution Date: May 19, 2001

Filing Date: March 27, 2001

Application No.: 09/818,703

WHEREAS, THERMA-WAVE, INC., a corporation of the State of Delaware hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignors had this assignment and transfer not been made, to the full end and term of any such Letters Patent.

Assignors further agree that they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Date: 5-18-2001

Jon Opsal

State of California

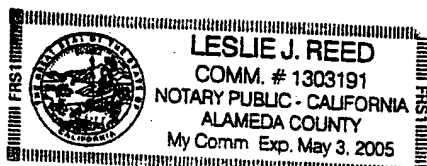
County of Alameda

On May 18, 2001 before me, LESLIE J. REED, NOTARY, personally appeared JON OPSAL personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Leslie J. Reed  
Signature of Notary

SEAL



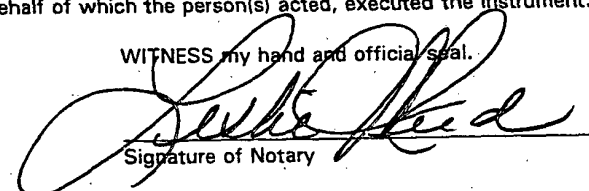
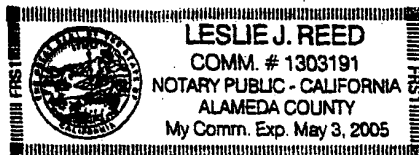
IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Date: MAY 18, 2001  
Allan RosencwaigState of CaliforniaCounty of Alameda

On May 18, 2001 before me, LESLIE J. REED, Notary  
personally appeared ALLAN ROSENCWAIG personally known to me or proved to me on the  
basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and  
acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their  
signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

SEAL

  
Signature of Notary